

What is claimed is:

1       1. A critical care workstation, comprising:  
2       a display device;  
3       a processor, coupled to the display device, executing:  
4               a general purpose operating system, controlling  
5               execution of a selected non-real-time application pro-  
6               gram for displaying images representing non-real-time  
7               data on the display device; and  
8               a real-time kernel, controlling execution of a  
9               process for displaying images representing real-time  
10               data on the display device simultaneously with the  
11               display of the non-real-time data; and  
12               circuitry, responsive to user input, for selecting the non-  
13               real-time display program from among a plurality of available  
14               non-real-time display programs.

1       2. The workstation of claim 1 wherein the general purpose  
2       operating system executes simultaneous with and independent from  
3       the real-time kernel.

1       3. The workstation of claim 1 further comprising a stor-  
2       age device, coupled to the processor, wherein the plurality of  
3       available non-real-time application programs are stored on the  
4       storage device and the general purpose operating system selects  
5       one of the stored plurality of non-real-time application pro-  
6       grams in response to the user input.

1       4. The workstation of claim 3 wherein the storage device  
2       stores code and data representing the non-real-time application  
3       program and the processor retrieves the stored code and data

4 representing the selected non-real-time application and controls  
5 the execution of the retrieved code and data.

1       5. The workstation of claim 1 further comprising a con-  
2 nection to a network comprising a server capable of storing the  
3 plurality of non-real-time application programs and the general  
4 purpose operating system selects one of the stored plurality of  
5 non-real-time application programs in response to the user in-  
6 put.

6. The workstation of claim 5 wherein the server stores  
code and data representing the non-real-time application program  
and the processor retrieves the stored code and data represent-  
ing the selected non-real-time application and controls the exe-  
cution of the retrieved code and data.

7. The workstation of claim 1, wherein the real-time data  
is physiological data.